

## **ANALYSIS OF DATA**

**- GATHER ALL DATA, INCLUDING A CAREFULLY-DETERMINED MP OF PURE, DRY DERIVATIVE (IF THE RANGE IS GREATER THAN 2° THE DERIVATIVE MAY BE WET OR MAY STILL HAVE OTHER IMPURITIES).**

**- CONSIDER COMPOUNDS FROM THE TABLE THAT HAVE A MP NEAR WHAT YOU FOUND (WITHIN A FEW DEGREES BELOW THE LOW-POINT OF THE RANGE AND A FEW DEGREES ABOVE THE HIGH-POINT OF THE RANGE) (IF YOUR RANGE WAS MORE THAN 2°, THE ACTUAL MP MAY BE EVEN HIGHER THAN A FEW DEGREES ABOVE THE HIGH-POINT.)**

**- DRAW STRUCTURES OF POSSIBLE COMPOUNDS, ELIMINATE THOSE THAT DO NOT FIT ALL THE DATA.**

**- WHEN NARROWED DOWN TO TWO POSSIBILITIES, REPORT RESULTS TO TA. IF ONE CHOICE IS CORRECT YOUR TA WILL GIVE YOU A COPY OF THE NMR SPECTRUM.**

**- DRAW THE SPECTRUM OR PARTIAL SPECTRUM OF THE TWO POSSIBILITIES AND SEE WHICH AGREES WITH YOUR ACTUAL SPECTRUM.**